

SEQUENCE LISTING

<110> CHROMOCCELL CORPORATION

<120> METHODS AND MATERIALS USING SIGNALING PROBES

<130> CHROMO/003

<140> US 10/589,052

<141> 2006-08-10

<150> PCT/US05/005080

<151> 2005-02-17

<150> 60/546,075

<151> 2004-02-18

<160> 71

<170> PatentIn Ver. 3.3

<210> 1

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1

gttcttaagg cacaggaact gggaa

24

<210> 2

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 2

tcccaagttcc tgtgccttaa gaac

24

<210> 3

<211> 159

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 3

tttctctgtg atccggata gtccttctgc gcaggtggac aggaagggtc taatgttctt 60
aaggcacagg aactggaca tctggggcccg gaaaggcttt ttctctgtga tccggtagac 120
tccttctgcg caggtggaca ggaagggtct aatgttctt 159

<210> 4
<211> 157
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 4
tttaactgat ggatggaaca gtccttctgc gcaggtggac agcttgggtc taatgaagtt 60
aacccctgtcg ttctgcgaca tctggggcccg gaaagcggtt aactgatgga tggaacagtc 120
cttctgcgca ggtggacagc ttggttctaa tgaagtt 157

<210> 5
<211> 162
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 5
gtaaagtcag acatccggta cagtccttct gcgcaggtgg acaggaagggt tctaattgttc 60
tatagggtct gcttgtcgct catctgggcc cgagatgcg taaagtca cattccggta 120
agtcccttctg cgcaggtgga caggaagggtt ctaattgttctt at 162

<210> 6
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (7)..(9)
<223> 5-methyl dC

<220>
<221> modified_base
<222> (10)
<223> 2-amino dA

<220>
<221> modified_base
<222> (14)..(15)

```
<223> 5-methyl dC

<220>
<221> modified_base
<222> (20)..(21)
<223> 5-methyl dC

<220>
<221> modified_base
<222> (24)
<223> 2-amino dA

<220>
<221> modified_base
<222> (27)..(28)
<223> 2-amino dA

<220>
<221> modified_base
<222> (29)
<223> 5-methyl dC

<400> 6
gccagtccca gttcctgtgc cttttaagaacc tcgc
```

34

```
<210> 7
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      oligonucleotide

<220>
<221> modified_base
<222> (6)
<223> 2'-5' linked

<220>
<221> modified_base
<222> (8)
<223> 2'-5' linked

<220>
<221> modified_base
<222> (10)
<223> 2'-5' linked

<220>
<221> modified_base
<222> (14)
<223> 2'-5' linked

<220>
<221> modified_base
```

```
<222> (18)
<223> 2'-5' linked

<220>
<221> modified_base
<222> (22)
<223> 2'-5' linked

<220>
<221> modified_base
<222> (26)
<223> 2'-5' linked

<220>
<221> modified_base
<222> (29)
<223> 2'-5' linked

<400> 7
gccagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 8
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      oligonucleotide

<220>
<221> modified_base
<222> (7)..(9)
<223> Ara-C

<220>
<221> modified_base
<222> (14)..(15)
<223> Ara-C

<220>
<221> modified_base
<222> (20)..(21)
<223> Ara-C

<220>
<221> modified_base
<222> (29)
<223> Ara-C

<400> 8
gccagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 9
<211> 99
```

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 9
gcaggtggac aggaaggttc taatgttctta tagggctgc ttgtcgctca tctggcccg 60
gagatgcgta aagttagaca tccgtacag tccttctgc 99

<210> 10
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Combined DNA/RNA Molecule:
Synthetic oligonucleotide

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (6)..(29)
<223> phosphorothioate linkage

<220>
<221> modified_base
<222> (6)..(9)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (12)..(16)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (18)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (20)..(23)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (29)
<223> 2'-F-RNA

<400> 10
gccaguccca guuccugugc cuuaagaacc tcgc 34

<210> 11
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Combined DNA/RNA Molecule:
 Synthetic oligonucleotide

<220>
<223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
<221> modified_base
<222> (6)..(29)
<223> phosphorothioate linkage

<220>
<221> modified_base
<222> (6)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (9)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (12)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (15)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (18)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (21)
<223> 2'-F-RNA

<220>
<221> modified_base
<222> (23)
<223> 2'-F-RNA

<220>
<221> modified_base

<222> (29)
<223> 2'-F-RNA

<400> 11
gccaguccca gutcctgugc ctuaagaacc tcgc 34

<210> 12
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (10)
<223> 2-amino-A

<220>
<221> modified_base
<222> (24)..(25)
<223> 2-amino-A

<220>
<221> modified_base
<222> (27)..(28)
<223> 2-amino-A

<400> 12
gccagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 13
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (7)..(9)
<223> 2'-OMe-5-Me-C

<220>
<221> modified_base
<222> (14)..(15)
<223> 2'-OMe-5-Me-C

<220>
<221> modified_base
<222> (20)..(21)

<223> 2'-OMe-5-Me-C

<220>
<221> modified_base
<222> (29)
<223> 2'-OMe-5-Me-C

<400> 13
gccagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 14
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (1)
<223> LNA

<220>
<221> modified_base
<222> (4)
<223> LNA

<220>
<221> modified_base
<222> (6)
<223> LNA

<220>
<221> modified_base
<222> (10)
<223> LNA

<220>
<221> modified_base
<222> (15)
<223> LNA

<220>
<221> modified_base
<222> (17)
<223> LNA

<220>
<221> modified_base
<222> (22)
<223> LNA

<220>
<221> modified_base

<222> (25)
<223> LNA

<220>
<221> modified_base
<222> (28)
<223> LNA

<220>
<221> modified_base
<222> (33)
<223> LNA

<400> 14
gccagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 15
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (6)
<223> LNA

<220>
<221> modified_base
<222> (10)
<223> LNA

<220>
<221> modified_base
<222> (13)
<223> LNA

<220>
<221> modified_base
<222> (17)
<223> LNA

<220>
<221> modified_base
<222> (22)
<223> LNA

<220>
<221> modified_base
<222> (25)
<223> LNA

<220>

<221> modified_base
<222> (28)
<223> LNA

<400> 15
gccagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 16
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (6)...(29)
<223> phosphorothioate linkage

<400> 16
gccagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 17
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (6)
<223> phosphorothioate linkage

<220>
<221> modified_base
<222> (10)
<223> phosphorothioate linkage

<220>
<221> modified_base
<222> (14)
<223> phosphorothioate linkage

<220>
<221> modified_base
<222> (19)
<223> phosphorothioate linkage

<220>
<221> modified_base

<222> (23)
<223> phosphorothioate linkage

<220>
<221> modified_base
<222> (27)
<223> phosphorothioate linkage

<400> 17
gccagtcggca gttcctgtgc cttaagaacc tcgc 34

<210> 18
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (6)..(29)
<223> 2-O-Methyl-RNA

<400> 18
gccagtcggca gttcctgtgc cttaagaacc tcgc 34

<210> 19
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (6)
<223> 2-O-Methyl-RNA

<220>
<221> modified_base
<222> (10)
<223> 2-O-Methyl-RNA

<220>
<221> modified_base
<222> (14)
<223> 2-O-Methyl-RNA

<220>
<221> modified_base
<222> (19)

<223> 2-O-Methyl-RNA

<220>
<221> modified_base
<222> (23)
<223> 2-O-Methyl-RNA

<220>
<221> modified_base
<222> (27)
<223> 2-O-Methyl-RNA

<400> 19
gccagtccta gttcctgtgc cttaagaacc tcgc

34

<210> 20
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Combined DNA/RNA Molecule:
Synthetic oligonucleotide

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (6)..(9)
<223> C5-propyne analog

<220>
<221> modified_base
<222> (12)..(16)
<223> C5-propyne analog

<220>
<221> modified_base
<222> (18)
<223> C5-propyne analog

<220>
<221> modified_base
<222> (20)..(23)
<223> C5-propyne analog

<220>
<221> modified_base
<222> (29)
<223> C5-propyne analog

<400> 20
gccaguccca guuccugugc cuuaagaacc tcgc

34

<210> 21
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 21
gcgagtccca gttcctgtgc cttaagaacc tcgc 34

<210> 22
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 22
tcgcagaacg acagggttaa cttc 24

<210> 23
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 23
gcgagtcgca gaacgacagg gttaacttcc tcgc 34

<210> 24
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 24
agcgacaaggc agaccctata gaac 24

<210> 25
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 25
gcgagagcga caagcagacc ctatagaacc tcgc 34

<210> 26
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 26
ctgcagcgac aagcagaccc tatagaacgg g 31

<210> 27
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 27
ggaatcccag ttcctgtgcc ttaagaactt cc 32

<210> 28
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 28
ggaatcgcag aacgacaggg ttaacttctt cc 32

<210> 29
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 29
ggaaaagcgcac aaggcagaccc tatagaactt cc 32

<210> 30
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 30
tcccagttcc tgtgccttaa gaacattag 29

<210> 31
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 31
tcccagttcc tgtgccttaa gaacattagt 30

<210> 32
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 32
gcgagtccca gttcctgtgc cttaagaaca tttagtctcg 40

<210> 33
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 33
ggaatccca ttcctgtgcc ttaagaacat tagttcc 38

<210> 34

<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 34
gtgattccca gttcctgtgc cttttaagaaca tcac 34

<210> 35
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 35
ggactcccgag ttccctgtgcc ttaagaacgt cc 32

<210> 36
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 36
gggtccccagt tcctgtgcct taagaacccc 30

<210> 37
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 37
gcgtccccagt tcctgtgcct taagaaccgc 30

<210> 38
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 38
atcgatgttag cttatggatc ttagc 25

<210> 39 :
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 39
gcgagatcga tctagtttat ggatcttagc ctgcgc 35

<210> 40
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 40
ctaatcgtaa ttcgtaagcc tggaa 25

<210> 41
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 41
gcgagctaat cgtaattcgt aagcctggaa ctgcgc 35

<210> 42
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 42
gttgtgtgggt tggttgggt gtgt 24

<210> 43
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 43
gcgagggttgt gtgggtggtt ggtgtgttgc tcgc 34

<210> 44
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 44
tcccagttcc tgtgccttaa gaac 24

<210> 45
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 45
gcgagagtcc cagttcctgt gccttaagaa cctctcg 38

<210> 46
<211> 2771
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 46
accttgccaa aatcctgcac atcgaagagg tcaaaggctt cgaagagctc gctccgctt 60
aggccgaact ttcacacca ggtggacagg aaggttctaa tggtcttaag gcacaggaac 120
tgggacatct gggggcgcag gttgaccta cgcagggttga tggcatgggg tagcagggtt 180
ttaagcagct gacacagaag gacaccatcc cggaggccct gggccagttc acacacctga 240
ccccatccc aggtcacgcg gtggctgggc ggcagcaccc ggcactggat gagccagtgg 300
gtgcattggc gccacagctc catggctacc gccgggtgggg aaggggcatga tccccctgtt 360

ctgggcgatc ggggtccagg acagagcaga cagggtgtag atgcctccac cgtgtcg 420
atctggtcgg acaggccact gtagatgtct tcatacccta cactctccct ctcatgagg 480
cctcatagat ctcgtcgcc tccgcctcc cattctccac gcagtcatac aggtccat 540
cctcccccgc aggcaagcagc agcgttgcata atactctgtc atcttggcg 600
gggctccgag cgccgagggg cttcaagaaa tgctgttga tggagccag cgtgtc 660
tacttctcc cctgtcgctg gatgtatgaa cacgaagcag gtcctcaatg ttgataaaga 720
tgatctcaat gtcttgagg ttcaggaacc gttgatgaag acctggtaga gattggctgc 780
gccagggtg cccagggtt cttcatctc cttaggaag tgaccagggt tttgtggct 840
gactccaccc ggctgcagta gcccgcatac acgaggaacc totccttga tttccgtt 900
tggctctcg agaacatcc tccagctca tctgcacgtc ctccgggtc gcggccacac 960
ggtgtggaga aggaggtgat atttgagaac tcgctgcata ggcaccatca gcaggcccc 1020
cagggtgaac ctcccctcat ggcattccagg gccagccgca ggttctccct ctccatcgcc 1080
tcctgcgtgt gtttaccagg ctcagcttga aattgggtat ctgtcgcaatgtc 1140
ctcgcttgc acgttgcacg cactgagcca ggtgatctt agttccccgt cgatcttggg 1200
ccggccatag tgagccagag actgggtccag gttctcaatg gactacagat gagtagagct 1260
ttgtcgagca ggaaggcata cctgtccatc ttggagcgc gttccaccga ggtgagtcat 1320
cccgaacctg gaagctgtgc aggttacaa agtccttgc gtcataggag tctccctgc 1380
gctgccctgg gcaccttgg ctcgcattcag gaggaacatg tggctccact tcttgggtc 1440
tcggctctctt gaatggagat ggcattctca aactgctcca tccacttctt cttcaattct 1500
cttgcattga agaacagctc atagatgtgg tctcctcaaa ggagaacatc tggaaagtcat 1560
gcccgttggc ggtggcattc tccggataga tggccggc caccgtggc agcggtagcc 1620
ctgatagaag gtacctctaa gcacgcattc acaggccctt cagtagttcc tggaaatct 1680
tgcccatgtc ggcacatgg agggaccctc cccagacact cttgtgtgc agatccatct 1740
tgggcagacc cagtcattc ctcttttgc ctcgcattcag gcatgttagt ttgtccctt 1800
tcaagggtt agccgttagaa agggtccat ggtccagg ggtggaggaa gcccgttagta 1860
ttcctgaaac accttagtgc tgatgttgc ccctccacc agttctgttc agcctcagcc 1920
ttcgtgagct ccacaatgtc tccacagaca ggtcctgagg agggccatgg acatagggt 1980
tcacccgtt acaaggaaac cagccattt catccgtcc gagcgggttgg ccaggatgt 2040
ctctgcccct gcccgttcca tggggcctgc gtaccagaga tgacctcgac gttatattta 2100
atgtgtatgg caaatcttc tgcatccctt accctctgc gcaccaagaa agtagcccc 2160
ggaaaggcatt tttctctgtg atccgttaca gtccttgc tgcattgtttaatgtgt 2220
tgacaagggtg gtgtccagag acttgaagca atccttgc ggtttctgt ggtaaaactc 2280
caccagctcc gtacaaaata ctttgcgtt cccactgtc gcctgtgtat ggttctt 2340
tcaggctctt tgaaggggaa ctgtatgtc acgttgcgttgc cgcacgtct gatcggtctc 2400
gggcgcagaa gtcatagcgg gcttggctg tgcccaagcca acccgccat agatccccc 2460
tcgcccaccag cttgtgtc ctttgcgtt aaggatctt atgcgtctt ctgcacaggc 2520
accagggttc agcgttacc agaataatct tccctcacgt agttggcagg gaaaccggcc 2580
gggagctgtc acagccctg gtcggcgtgc ctgcacacgc cgggctcaga gcctggagtt 2640
tctcatgtca gggcacatcc cgggagcacc gccagcttga cgctgcgttc ctccagtcca 2700
tcccaaagtc tccccttgcg cccgtctgc ttgaggggac ccaagaggaa atcggtt 2760
tataaattaa c 2771

<210> 47
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 47
gcaggtggac aggaagggttc taatgttctt aaggcacagg aactggaca tctggcccg 60
gaaaggcttt ttctctgtga tccggatcag tccttgc 99

<210> 48
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 48
gcgaggttct taaggcacag gaactggac tcgc 34

<210> 49
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 49
gcaggtggac aggaagggtc taatgttctt aaggcacagg aactggac aactggac 60
gaaagccttt ttctctgtga tccggtagac tccttctgc 99

<210> 50
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Combined DNA/RNA Molecule:
Synthetic polynucleotide

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 50
gcaggtggac agcttgggtc taatgaagtt aaccctgtcg ttctgcgaca tctgggcccc 60
gaaagcgttt aacugatgga uggaacagtc cttctgc 97

<210> 51
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 51
gcaggtggac aggaagggtc taatgttcta tagggtctgc ttgtcgctca tctgggcccc 60
gagatgcgtta aagtca gaca tccggtagac tccttctgc 99

<210> 52
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 52
gaaggtaacc ctgtcggtct gcga 24

<210> 53
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 53
gttctataggg gtctgcttgc cgct 24

<210> 54
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 54
gcaggtggac aggaagggttc taatgttctt aaggcacagg aactgggaca tctggggcccg 60
gaaagccttt ttctctgtga tccggtagac tccttctgc 99

<210> 55
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 55
gcaggtggac agcttgggttc taatgaagtt aaccctgtcg ttctgcgaca tctggggcccg 60
gaaagcgttt aactgacaga tggggtagac tccttctgc 99

<210> 56

<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 56
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggccccg 60
gaaagcgaaa aacgatgggg tacagtccctt ctgc 94

<210> 57
<211> 95
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 57
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggccccg 60
gaaagcgaaa aactgatggg gtacagtccctt tctgc 95

<210> 58
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 58
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggccccg 60
gaaagcgaaa aactgatggg tggtacagtc cttctgc 97

<210> 59
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 59
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggccccg 60
gaaagcgaaa aactgatggg tggtacagtc cttctgc 97

<210> 60
<211> 99

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 60
gcaggtggac aggaagggttc taatgttcta tagggctgc ttgtcgctca tctgggccc 60
gaaagcctt aagttagaca tccggtagac tccttctgc 99

<210> 61
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 61
gcaggtggac aggaagggttc taatgttcta tagggctgc ttgtcgctca tctgggccc 60
gaaagcctt aagttagaca tccggtagac tccttctgc 99

<210> 62
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 62
gcaggtggac aggaagggttc taatgttcta tagggctgc ttgtcgctca tctgggccc 60
gaaagcgtt aagttagaca tccggtagac tccttctgc 99

<210> 63
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 63
gcaggtggac aggaagggttc taatgttcta tagggctgc ttgtcgctca tctgggccc 60
gaaagcgtt aagttagaca tccggtagac tccttctgc 99

<210> 64
<211> 98
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 64

gcaggtggac aggaagggttc taatgttctta tagggctctgc ttgtcgctca tctgggccccg 60
gaaagcgtaa agtcagacat ccggtagact ccttctgc 98

<210> 65

<211> 99

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 65

gcagguggac aggaagguuc uaauguucuu aaggcacagg aacugggaca ucugggccccg 60
gaaagccuuu uucucuguga uccgguaacag uccuucugc 99

<210> 66

<211> 97

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 66

gcagguggac agcuuggguuc uaaugaaguu aaccuguguc uucugcgaca ucugggccccg 60
gaaagcguuu aacugaugga uggaacaguc cuucugc 97

<210> 67

<211> 99

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 67

gcagguggac aggaagguuc uaauguucua uagggucugc uugucgcuca ucugggccccg 60
gagaugcguua aagucagaca uccgguaacag uccuucugc 99

<210> 68

<211> 99

<212> RNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 68
gcagguggac aggaagguuc uaauguucuu aaggcacagg aacugggaca ucugggccccg 60
gaaagccuuu uucucuguga uccgguacag uccuucugc 99

<210> 69
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 69
cugcacaucg aagagguaa ag 22

<210> 70
<211> 99
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 70
cgaacuucuc acagcaggug gacaggaagg uucuaauguu cuuaaggcac aggaacuggg 60
acaucugggg gcgcaggug accucacgca gguugaugg 99

<210> 71
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 71
aaguagcccc cgaaaaagccu uuuucucugu gauccgguac aguccuucug cugucaugau 60
uuuaaugugc u 71